

# SCIENCE ADVISORY BOARD



**Jane Lubchenco, Ph.D.**

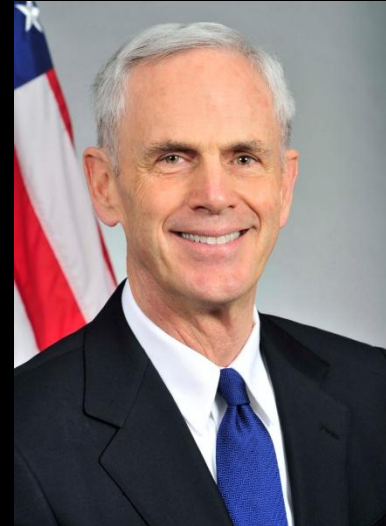
Under Secretary of Commerce for Oceans & Atmosphere  
NOAA Administrator  
National Oceanic and Atmospheric Administration

# DOC PRIORITIES

1: President's **National Export Initiative**

2: President's **Advanced Manufacturing Program**

3: President's **National Travel & Tourism Strategy**



U.S. Secretary of  
Commerce  
**John Bryson**

# HOW WE DO BUSINESS

## Transition To Cloud

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**NOAA** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
UNITED STATES DEPARTMENT OF COMMERCE

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Home

▼ **Week One & Beyond**

Google How To FAQs

Discussion Forum

Tips and Tricks

▼ **Get Help**

All Users

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Videos

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Calendar

▼ **Late Adopters**

Get Prepared

▶ Get Started

▶ Get Trained

Unified Messaging Services (UMS)

**Minimum Change**  
**Maximum Opportunity**

**1** **Keep Going!**

Join the Forums

FAQs Can Help

**2** **Migrate Blackberry**  
starting Dec 15

Backup

Activate

Restore

**3** **Tips and Tricks**

Enhance Mail Skills

Enhance Calendar Skills

**4** **Get Help**

Search the forums

Check F.A.Q.'s

Call your help desk

**News**

**NOAA MOBILE DEVICE POLICY**

On February 3, the OCIO released the NOAA Mobile Device Policy. Mobile computing devices, smart phones, and tablet computers are important tools and we support their use to achieve our business goals. However, mobile devices can also represent a significant risk to sensitive data if appropriate controls are not applied. With the implementation of UMS, NOAA has the ability to securely manage a broader array of mobile devices, smart phones, and tablets. We also have the opportunity to save substantial costs associated with managing BlackBerry devices. To both these ends, we have established a goal of transitioning away from BlackBerry devices by June 1, 2012. At present, iPhones and iPads are the only devices which we can securely manage, but we hope to expand to Android-based devices in the future. For additional information, please see:

- [Mobile Device Policy Memorandum](#)
- [NOAA Mobile Device Security Policy](#)
- [NOAA Rules of Behavior for Mobile Devices](#)

**If you're a NOAA Help Desk employee and can't see the Support Desk Staff Resources Web page, [click here](#).**

**An Exemplary Display of Teamwork and Cooperation!**  
By: **Joseph F. Klimavicz**, Chief Information Officer & Director  
On: **December 19, 2011**

On December 12, 16,000 NOAA employees, contractors, commissioned officers, and associates logged in to their new NOAA Unified Messaging Service accounts.

[Read more here...](#)

NOAA Administrator **Dr. Jane Lubchenco** congratulates the NOAA workforce for becoming the largest federal agency to adopt cloud computing.  
[Click here](#) for more videos.

# HOW WE DO BUSINESS

## LEADERSHIP CHANGES



Dr. Kathryn Sullivan  
Acting Chief Scientist

## ST/SL Appointments

8 ST & 2 SL positions filled

Recruiting/applications  
in process for 5 ST  
positions

3 OAR ST Positions in  
approval



# GULF RESTORATION

## 2 Year Anniversary of DWH

PEIS draft forthcoming

Gulf of Mexico Ecosystem Restoration  
Strategy

2<sup>nd</sup> DWH PI Science workshop

NOAA & NRDA trustees formed agreement  
with BP providing **\$1B** in GoM restoration

### 8 Proposed Early Restoration Projects

2 each in Alabama, Florida, Louisiana & Mississippi

#### Phase I DERP/EA Public Comments



Shoreline Marsh  
Creation



Coastal Dune  
Habitat  
Restoration



Nearshore Artificial  
Reef Creation

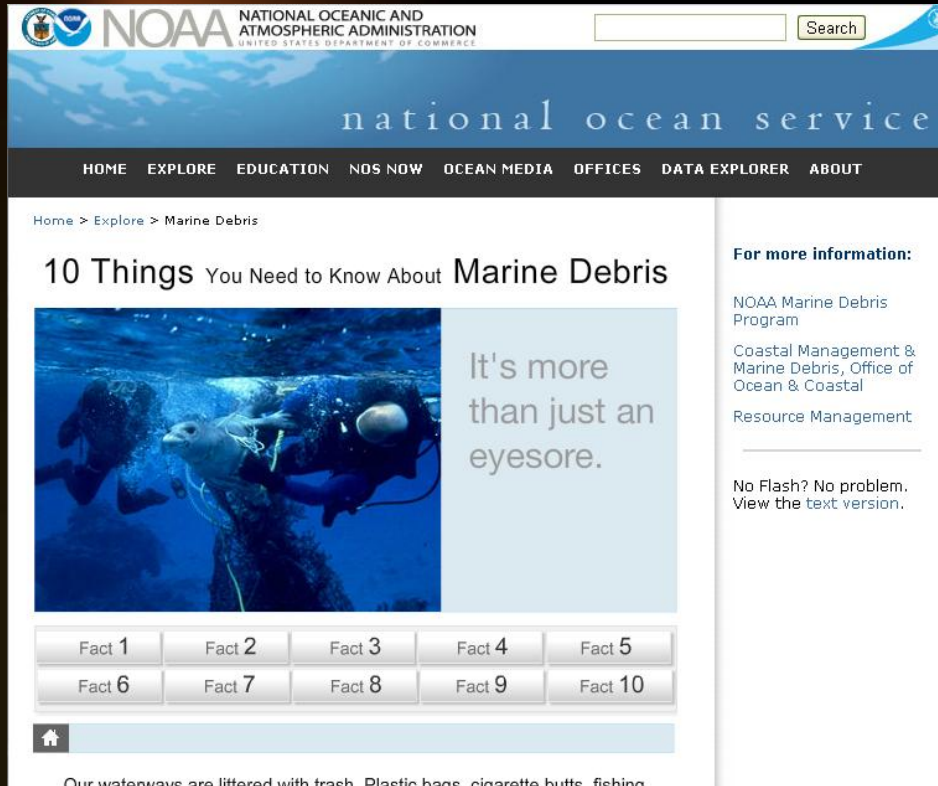


Oyster Bed  
Restoration



Boat Ramp  
Construction

# MARINE DEBRIS NOS



Hindcast models

New modeling effort

One NOAA + Federal/  
State/Canadian partners

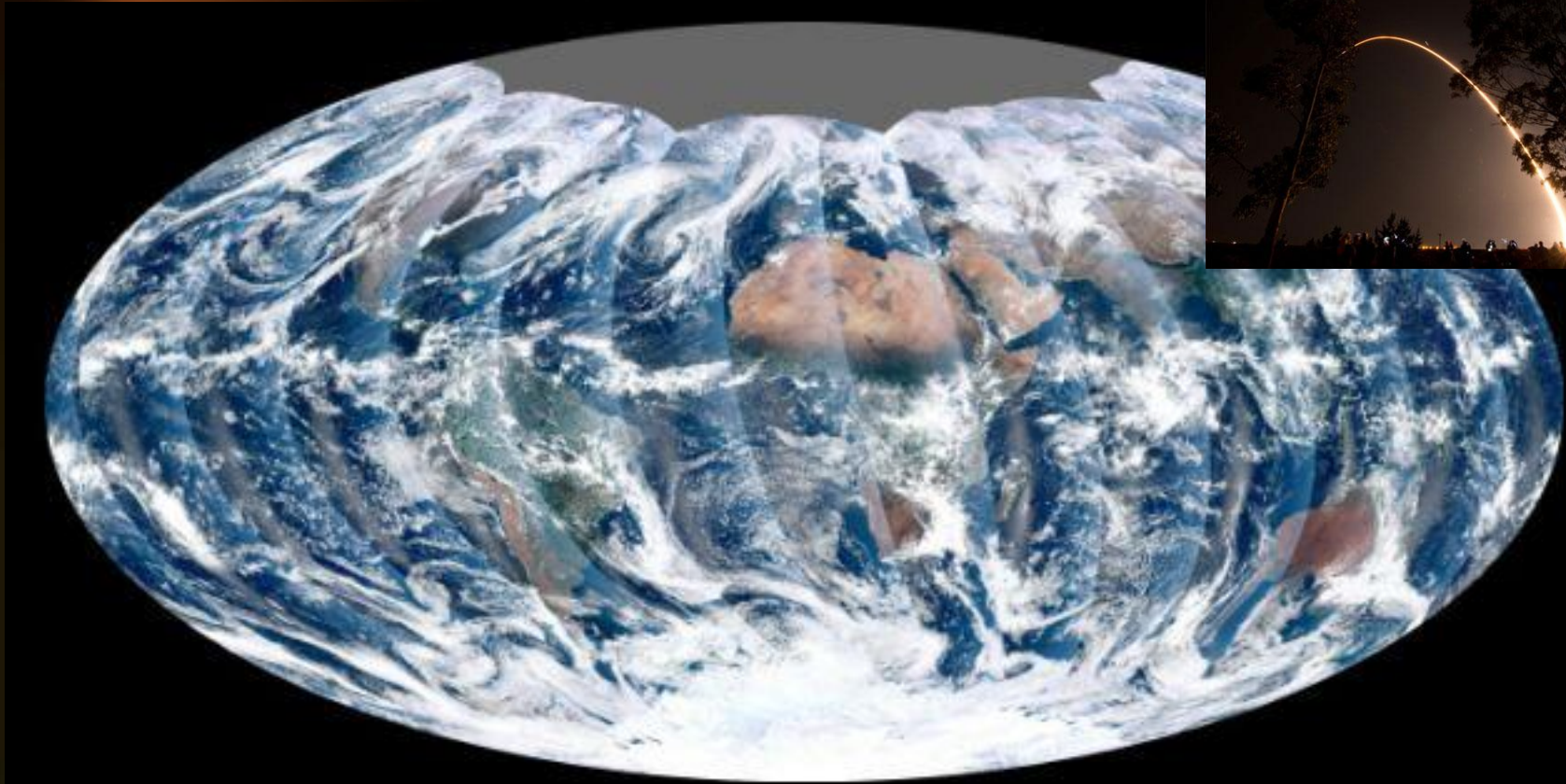
[oceanservice.noaa.gov/hazards/marinedebris/](https://oceanservice.noaa.gov/hazards/marinedebris/)

**CHALLENGE**  
**Communicating Risk to Public**

# Suomi NPP STATUS

## NESDIS

NPP Suomi Launch  
(photo by NASA/Bill Ingalls)



**CHALLENGE**  
Sustaining Satellite Observations



# SCIENCE NEEDS ASSESSMENT NWS

**Science Needs Assessment**: identifying gaps & needs as it relates to social science.

**Joint Funding Opportunity** (NWS/OAR): “Social Science Research to Build a Weather Ready Nation”.

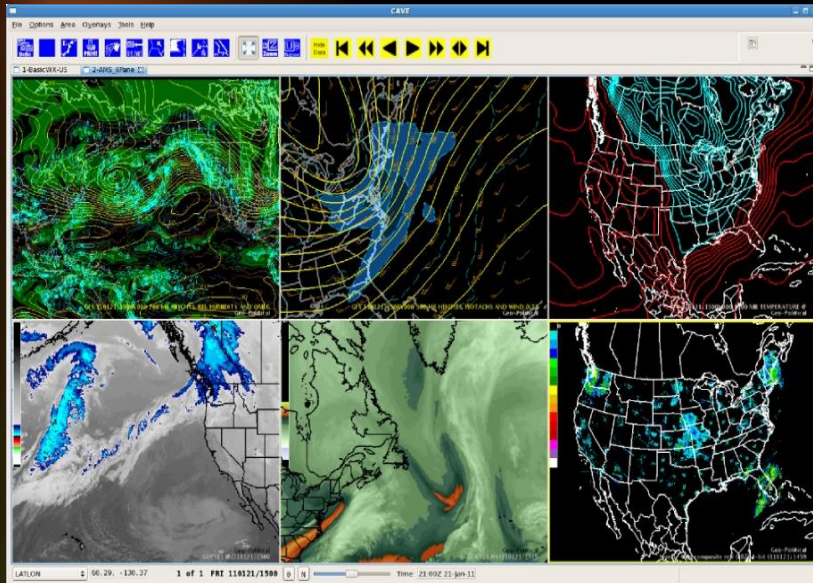


**CHALLENGE**  
**Funding Social Science Research**

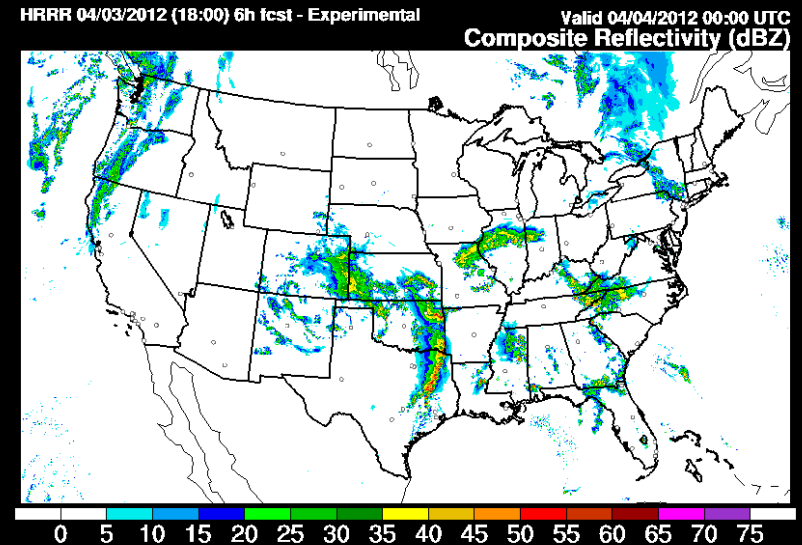


# RESEARCH-TO-OPERATIONS WEATHER FORECASTING CAPABILITIES

## OAR



AWIPS2 (A2)



High Resolution Rapid Refresh (HRRR)

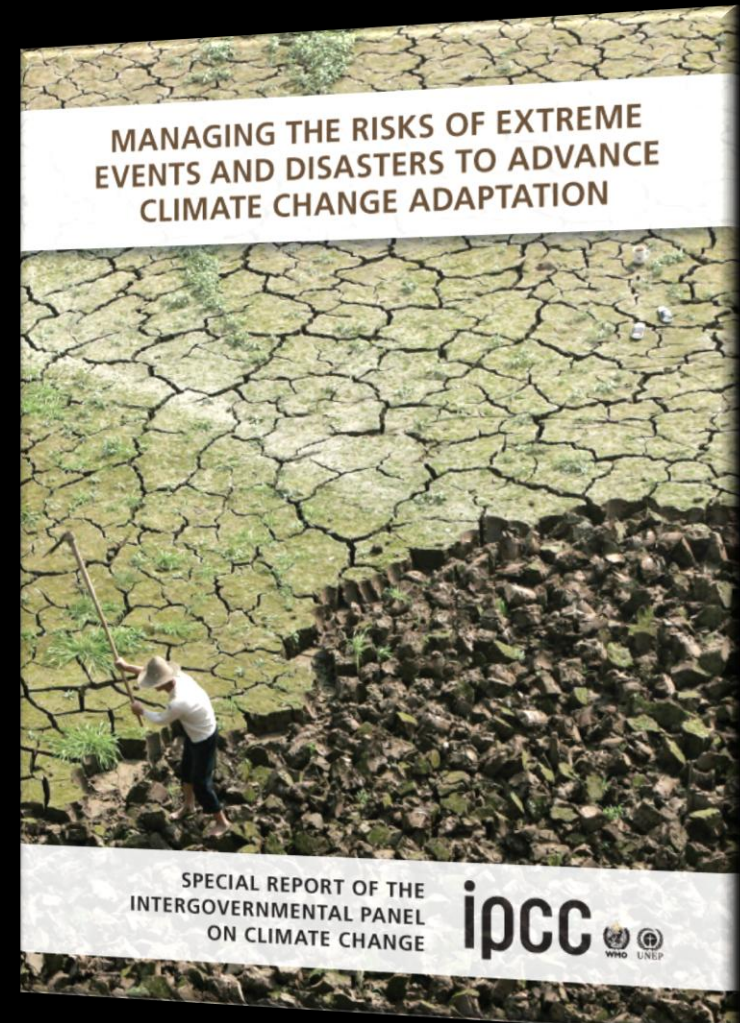
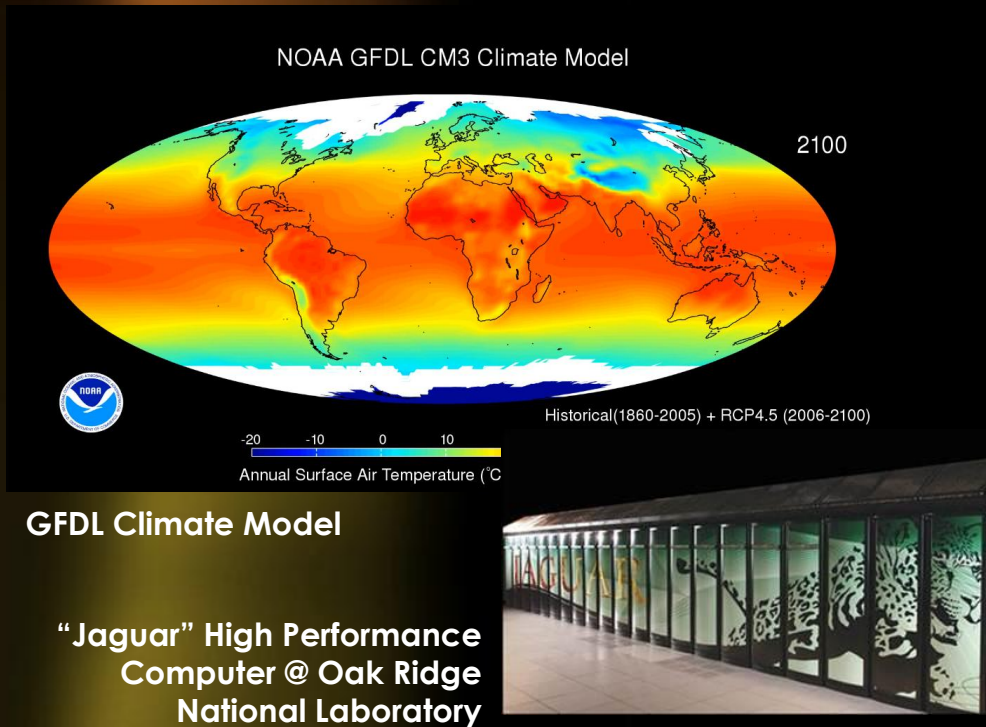
## CHALLENGE

# Transition to Multi-function Phased Array Radar

# MODELS & REPORTS

## CLIMATE

### CLIMATE ACCOMPLISHMENTS



## CHALLENGE

# Detection & Attribution for Multi-Decadal Change



# MARINE MAMMAL RESEARCH IN ARCTIC NMFS

## Distributed Biological Observatories



Acoustic Sounding



Aerial Surveys of Arctic Marine Mammals (ASAMM) project

## CHALLENGE Budget

# SEA GRANT: Aquaculture

Fred Binkowski



Yellow Perch



Will Allen



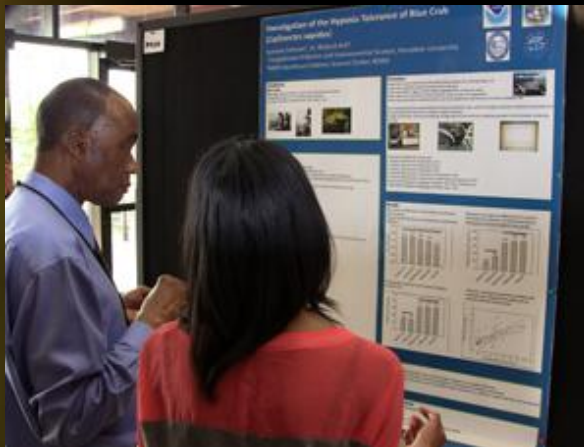
**CHALLENGE**  
**Increase in Social Science Research**



# EPP Cooperative Science Centers Education

100<sup>th</sup> PhD graduate from EPP CSC in NOAA-  
related sciences

Recent EPP Science & Education Forum



EPP student conducting research aboard  
Hurricane Hunter

## CHALLENGE

**Sustaining Strong Partnerships in Current Fiscal Environment**

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# BACKUP MATERIAL



# SAB Update

EISWG Report “Towards Open Weather and Climate Services”

- ☛ Final report received; tasked to NWS; NESDIS/OAR coordination

Review Report of Coop Inst for Alaska Research:

- ☛ OAR responding to the SAB Chair by 11/2012 deadline.

DAARWG Report on Management of External Data

- ☛ Final report received

Frank Kudrna leaving SAB in June

4 individuals with climate modeling experience and IPCC recommended to fill Eric Barron vacancy



# REALIGNMENT: NOS

NOS leading assessment to be a leaner, more integrated organization:

- ✔ focused on coastal communities, economies and ecosystems
- ✔ better able to address future coastal challenges

Initial stages of integrating the activities of the Office of Ocean and Coastal Resource Management and the Coastal Services Center. Requires Congressional approval.

- ✔ Provides greater focus on product and service development and delivery;
- ✔ Leverage respective offices expertise to provide greater value to the coastal management and decision-making community;
- ✔ Strengthened federal approach to address national coastal management issues like protecting natural resources

NOS will merge Marine Protected Area Center with Office of National Marine Sanctuaries. Requires Congressional approval.

NOS will focus and realign to better support NOS & NOAA science priorities.

# DOC PRIORITIES

These priorities frame NOAA's work and partnerships:

- ☛ Marine Tech Transfer: ETD-DARTII has 2 patents & is SAIC-licensed then exports this product to other countries
- ☛ Oahu Visitor's Bureau and Waikiki Aquarium collaboration on Pacific Regional Center/Foster Island facility

